

TITLEA CYTOCHROME P450 ENZYME ASSOCIATED WITH THE SYNTHESIS OF Δ^{12} -
EPOXY FATTY ACIDSABSTRACT OF THE DISCLOSURE

5 An isolated nucleic acid fragment encoding a cytochrome P450 enzyme associated
with the synthesis of plant Δ^{12} -epoxy fatty acids is disclosed. The invention also relates to
making a chimeric construct encoding all or a portion of the cytochrome P450 enzymes
associated with the synthesis of plant Δ^{12} -epoxy fatty acids, in sense or antisense
orientation, wherein expression of the chimeric construct results in production of altered
10 levels of the cytochrome P450 enzymes associated with the synthesis of plant Δ^{12} -epoxy
fatty acids in a transformed host cell.

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